



SEA-CURE®

Advantages of this High Performance Stainless Steel

Our tube includes the following:

1. Special proprietary chemistry developed by Plymouth Tube Co. to ensure the optimum pitting and crevice corrosion resistance.
2. Fully cold working of the weld using tooling on both OD and ID surfaces prior to annealing to ensure optimum homogenization during annealing and to minimize notches that may cause problems during rolling or other forming processes.
3. Special anneal & water quench to ensure dissolution of secondary phases that may be present in the strip material and to prevent the re-formation of them. The second phases can be detrimental to ductility and corrosion resistance.
4. Chemical pickle/passivation to remove all oxide from the water quench and chromium depleted layers from prior strip processing. This step is one of the most crucial as the strip may not be optimally processed to guarantee good corrosion resistance. The additional advantage of this process is that it also is a 100% corrosion test of the tubing. Any regions of lower corrosion resistance are removed by the solution and this results in rejection of the affected tubing in later eddy current testing operations.
5. Two eddy current tests, one in-line on the mill, and a final certified test that is done after all straight tube processing to ensure that all process imperfections are detected.
6. Air-Under-Water test at 450 psi minimum on wall thickness above .025" and 250 psi minimum on walls below .025". The higher pressure (above ASTM supplementary requirements) assists in finding very small weepers that can raise conductivity of condensate water and may be impossible to find after installation.
7. All special in-process tests and inspections developed to ensure that all tubing is a high quality product.
8. Based upon extensive G48 Method C corrosion testing of production tubing, we offer that all of our tubing in the as-shipped surface condition will be capable of passing 65 degrees Centigrade test temperature tested for 72 hours.
9. Technical support for tube processing and customer assistance based upon 25+ years and 70,000,000+ feet of shipments of this alloy.

To our knowledge, every power plant condenser tubed with Plymouth Tube **SEA-CURE®** tubing is still using the original material we supplied.

If it is not from Plymouth Tube, it is not SEA-CURE®



PLYMOUTH TUBE CO USA

2061 Young Street • East Troy, WI 53120 USA

Visit us online at <http://www.plymouth.com>

DSSCadvant-082806 Copyright © 2006, Plymouth Tube Co.

Phone: **1-262-642-8201**

Fax: 262-642-8486

Email: sales@plymouth.com